

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Craig F. Culver

Ser. No.

09/393,998

Filed

September 8, 1999

For

Interface Control

Examiner

Chow, Doon Y.

Art Unit Docket No. 2675

IMM060.RE

SEP 2 3 2003

Technology Center 2600

Mail Stop: Non-Fee Amendment

Commissioner For Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is being submitted following a Office Action Summary in this application. Accordingly, a fee of \$180.00 is included herewith for consideration of this Information Disclosure Statement. However, should any other fees be due, the Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. §§ 1.16 or 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No. 16-1435. A duplicate of this sheet is attached for that purpose.

It is respectfully requested that the references listed on the attached form be expressly considered by the Examiner and be made of record in the application and appear among "References Cited" on any patent to issue therefrom.

09/18/2003 DTESSEN1 00000056 09393998

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Dated: September 16, 2003

By:

hn C. Alemanni, Reg. No. 47,384

Respectfully submitted,

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	Substitute	e for form 1449A/P	то		Complete if Known			
					Application Number	09/393,998		
INFORMATION DISCLOSURE					Filing Date	September 8, 1999		
	STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Culver, Craig		
					Art Unit	2675		
		(use as many s	heets as	necessary)	Examiner Name	Chow, Dennis-Doon		
	Sheet	1	of	5	Attorney Docket Number	IMM060.RE		

		Document Number			
Examiner	Cite No.¹	Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	3,220,121	11/30/1965	Cutler	
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Examiner Signature Date Considered

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Substitut	te for form 1449A/PT)		Complete if Known		
				Application Number	09/393,998	
INFO	PRMATION	DIS	CLOSURE	Filing Date	September 8, 1999	
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	Culver, Craig	-
				Art Unit	2675	
	(use as many she	eets as	necessary)	Examiner Name	Chow, Dennis-Doon	
Sheet	2	of	5	Attorney Docket Number	IMM060.RE	-

	Cite No.1	Foreign Patent Document				Name of Patentee or	Pages, Columns, Lines,	
Examiner Initials*		Country Code ³	Number ⁴	Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	BL	EP	0349086		1/3/1990	Stork Kwant B.V.	1	
	ВМ	JP	01-003664		7/19/1990	Taito Corporation	1	
	BN	JP	02-109714		1/13/1992	Epoch Co. and Key- Planning Co.	1	
	ВО	JP	05-193862		1/27/1995	Sega Corporation	√	
	BP	JP	04-007371		8/3/1993	Taito Corporation	1	

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Substitut	e for form 1449B/PTO			Complete if Known			
INIEC	DMATION		Application Number	09/393,998			
		DISCLOSURE	Filing Date	September 8, 1999			
STA	TEMENT B	Y APPLICANT	First Named Inventor	Culver, Craig			
			Art Unit	2675			
	(use as many she	ets as necessary)	Examiner Name	Chow, Dennis-Doon			
Sheet	3	of 5	Attorney Docket Number	IMM060.RE			

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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS Technolog	y Ceh	ter 26
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	BQ	BAIGRIE, "Electric Control Loading - A Low Cost, High Performance Alternative," Proceedings, pp. 247-254, November 6-8, 1990.		
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Examiner	 Date	
Signature	Considered	

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	INIEO		N DIC	CL OCUDE	Application Number	09/393,998			
1	INFORMATION DISCLOSURE				Filing Date	September 8, 1999			
	STATEMENT BY APPLICANT				First Named Inventor	Culver, Craig			
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	Sheet	4	of	5	Attorney Docket Number	IMM060.RE			

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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS Technology	Cer
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	CE	KONTARINIS et al., "Display of High-Frequency Tactile Information to Teleoperators," Telemanipulator Technology and Space Telerobotics, Won S. Kim, Editor, Proc. SPIE Vol. 2057, pp. 40-50, Sep. 7-9, 1993.	
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS TECHNOLOGY CEN	iter 2600
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
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	DC	OUHYOUNG et al., "The Development of A Low-Cost Force Feedback Joystick and Its Use in the Virtual Reality Environment," Proceedings of the Third Pacific Conference on Computer Graphics and Applications, Pacific Graphics '95, Seoul, Korea, 21-24 August 1995.	
	DD	KACZMAREK et al., "Tactile Displays," Virtual Environment Technologies.	
	DE	SCANNELL, "Taking a Joystick Ride," Computer Currents, Boston Edition, Vol. 9, No. 11, November 1994	

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